

# INTERNATIONAL SEARCH REPORT

international application No.  
PCT/KR02/00658

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 B29B 11/16, 15/08, B29C 51/00, 51/12, B29D 7/00, C08J 5/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B29B 11/16, 15/08, B29C 51/00, 51/12, B29D 7/00, C08J 5/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for inventions since 1975

Korean utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS on line

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-0173440 B1 (Kim, Hyo Sung et al.) 29 October 1998 (29.10.1998) See the whole document	1-6
A	KR 10-0296229 B1 (Karam Tech. Co., Ltd.) 08 May 2001 (08.05.2001) See the whole document	1-6
A	KR 97-42699 A (Lee, Myeong Woong et al.) 24 July 1997 (24.07.1997) See the whole document	1-6
A	WO 9640477 A1 (Ube-Nitto Kasei Co., Ltd.) 19 December 1996 (19.12.1996) See the whole document	1-6
A	US 5145626 A (Montedison S.P.A.) 08 September 1992 (08.09.1992) See the whole document	1-6
A	JP 5-285947 A (Mitsubishi Motors Corp.) 02 November 1993 (02.11.1993) See the whole document	1-6
A	JP 5-16137 A (Mitsubishi Jushi KK) 26 January 1993 (26.01.1993) See the whole document	1-6

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 JANUARY 2003 (10.01.2003)

Date of mailing of the international search report

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-47737 A (Yamakawa Ind. Co., Ltd.) 22 February 1994 (22.02.1994) See the whole document -----	1-6

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-0173440 B1	29-10-1998	None	
KR 10-0296229 B1	08-05-2001	None	
KR 97-42699 A	24-07-1997	None	
WO 9640477 A1	19-12-1996	US 6068715 A	30-05-2000
		EP 775561 A1	28-05-1997
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US 5145626 A	08-09-1992	AU 6953887 A1	10-09-1987
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		IT 8619610 A0	03-03-1986
JP 5-285947 A	02-11-1993	None	
JP 5-16137 A	26-01-1993	None	
JP 6-47737 A	22-02-1994	None	